



PW41i

Universal Test System

Specifications

Voltage generators

Setting range

3-phase ac (L-N) 3×0...300V

1-phase ac (L-L) 1×0...600V

dc (L-L) 1×0...600V

Power

3-phase ac (L-N) 3×85VA at 300V

1-phase ac (L-L) 1×170 VA at 600V
(two generators in series)

dc (L-N) 3 × 80W at ±300 V

Accuracy < 0.16% rd.+0.04 %rg. guar.,
< 0.08% rd.+0.02 %rg. typ.,

Ranges 300V

Resolution 10mV

Distortion 0.1 %

Current generators

Setting range

3-phase AC(L-N) 3×40A

1-phase AC(L-N) 1×120A

dc (L-N) 3×10A

Power

3-phase AC(L-N) 3×65VA at 5A

1-phase AC(L-N) 3×400VA at 40A

dc (L-N) 90W at 10A

Accuracy < 0.16 rd.+0.04 %
rg. guar., at 0~30A
< 0.08 rd.+0.02 %
rg. typ., at 0~30A

Distortion 0.1%

Resolution 5mA (1mA, low grade)

General

Frequency

Range DC, 1 to1000Hz

Accuracy 0.002%

Resolution 0.001 Hz

Phase

Angle range 0 ... 360°

Accuracy 0.2°

Resolution 0.001°

Auxiliary dc supply

Voltage range 0V, 220V, 110V

Power 110W at 220V, 55W at 110V

Binary inputs

Number 8

Input characteristics Dry/Wet

Max. measuring time 999999.999 s

Accuracy 1ms±0.1%

Resolution 1ms

Binary output, relay

Number 4

Type Potential free relay contacts,
software controlled

Break capacity ac Vmax: 300Vac /Imax:
1A /Pmax: 125VA

Break capacity dc Vmax: 300Vdc /Imax:
1A /Pmax: 60W

Power supply

Nominal input voltage 110~240Vac

Permissible input voltage 90~260Vac

Nominal frequency 50/60Hz

Permissible frequency 45~65Hz

Environmental conditions

Operation temperature 0 ...+50°C

Storage temperature -25 ...+70°C

Relative humidity 5...95% non - condensing

EMC (Emission) IEC-61000-3-2/3

EMC (Immunity) IEC 61000-4-2/3/4/5/6/11

Safety IEC 61010-1

Others

2 USB Ports USB-Disk, Mouse, Keyboard

Ground Socket (earth) 4 mm banana socket; front side

Weight 18kg

Dimensions (W x H x D) 364mm × 200mm× 475 mm



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